

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1 – 8. Cancelled.

9. (Currently amended): A composite material comprising a biodegradable polymeric material and calcium phosphate in the biodegradable polymeric material,

wherein the ~~with a composition gradient~~ of calcium phosphate is contained in the biodegradable polymeric material in a gradient that varies in the biodegradable polymeric material and

wherein the ~~in one or more types of biodegradable polymeric materials~~ material is selected from the group consisting of [[among]] glycosaminoglycan, collagen, and a composite of glycosaminoglycan and collagen [[thereof]].

10. (Previously Presented): The composite material according to claim 9, wherein the biodegradable polymeric material is a crosslinked product of glycosaminoglycan and collagen.

11. (Currently Amended): A scaffold for cell differentiation and proliferation comprising ~~consisting of~~ the composite material according to claim 9 and one or more selected from the group consisting of basic fibroblast growth factors (bFGF), vascular endothelial growth factors (VEGF), bone morphogenetic factors (BMP), and inorganic salts comprising calcium salt.

12. (Previously Presented): The scaffold according to claim 11, which can effectively regenerate a hard/soft tissue interface.

13. (Currently Amended): An implant for hard/soft tissue filling comprising the composite material according to claim 9 and one or more selected from the group consisting of basic fibroblast growth factors (bFGF), vascular endothelial growth factors (VEGF), bone morphogenetic factors (BMP), and inorganic salts comprising calcium salt.

14. (Previously Presented): The implant according to claim 13, which further comprises cells.

15. (Previously Presented): A method for producing a composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material by alternately soaking one side or part of the biodegradable polymeric material in a calcium ion-containing solution and the other side or part in a phosphate ion-containing solution.

16. (New): The scaffold according to claim 11, wherein the scaffold is porous